



CCA-3074 Console Concentrator

A channel attached Console Appliance providing secure local and remote console solutions for IBM Mainframe processors.



Expanding the Enterprise

Data center consolidations, mergers and acquisitions, disaster recovery sites, as well as outsourcing demand a flexible and reliable console product capable of expanding along with business growth. The CCA-3074 is designed to be that product, providing support for up to 96 CUIs (LPARs) and 1536 sessions spread across multiple CPUs in multiple locations. Capable of access and management from anywhere in the world, the CCA-3074 offers a dynamic solution for your enterprise.

Powerful Features

The CCA-3074 comes standard with two 10/100/1000 Mbps Ethernet interfaces that can be expanded with the addition of an optional Quad 10/100/1000 Mbps Ethernet adapter.

Host interfaces can be a single ESCON adapter capable of supporting 16 CU images (LPARs) and 256 sub-channels (sessions). By adding a second ESCON interface, up to 32 CU images (LPARs) and 512 sub-channels (sessions) are supported.

The CCA-3074 can also be equipped with one of three different FICON interface adapters. A single port FICON channel interface adapter, dual port FICON adapter providing two independent FICON interfaces, or the quad port FICON adapter providing four independent FICON interfaces. Each interface on a FICON adapter is capable of supporting up to 16 CU images (LPARs) and 256 sub-channels (sessions). The FICON interfaces auto-negotiate

Key Features

- **Functional Replacement for Visara 22L & 25L SCON Controllers and IBM 3174 & 2074 Console Controllers**
- **ESCON/FICON Host Connectivity**
- **Secure Ethernet Connected Console Sessions**
- **Coax device support via a locally attached coax subsystem**
- **Web-based configuration**

2.125 Gbps, 4.25 Gbps, or 8.5 Gbps clock rates with the attaching host interface for maximum throughput.

Using the CCA-3074's Hot Session capability, a console session can be configured to remain active to the host whether a real console is connected or not. A console device can be attached at any time without the need to vary the console session active. With the flexibility of local and remote access, console operators can roam within the campus or simply shut off a console and then reconnect it when arriving at a remote location.

Session sharing provides the ability for multiple users (up to 24 per session) to share the same console session, allowing local and remote monitoring and management of all console activities, including NIP consoles. This unique feature provides a solution to the "99 MCS console limitation" of Sysplex systems and supports takeover for disaster recovery.

TN3270 Console Buffering enhances console operation by reducing LAN traffic, eliminating ESCON read timeout problems due to slow networks or client response time, and eliminating the need for the client to perform the Non-SNA Command Chaining. Virtually any TN3270 client can perform console operations.

Security

Multiple levels of security are provided for client connections including connection password, user ID/password, IP address filtering, and configurable TCP port assignments. SSL encryption support is configurable for all TN3270 client connections, providing encryption from the desktop to the glass house. This or a VPN connection is recommended for remote access across the Internet.

Scalable Solutions

When used as a 3174 replacement, a pair of CCA-3074s can replace an entire farm of 3174/3274 controllers, providing complete redundancy for as many as 96 LPARs and 1536 consoles (many more when using the Session Sharing feature).

If traditional legacy coax connections are a requirement to support consoles, coax printers or STK LMUs, the CCA-3074 can be expanded using the Visara CSS32. The CSS32 is a locally attached subsystem that supports a mix of up to 32 coax devices. The CSS32 is a table top or rack mountable appliance designed to support console infrastructures with mixed console types.

Base System

- **Cabinet:** 19" 3U rack mountable server
- **Processor:** Intel Core 2 Duo 8400 3+ GHz
- **Drives:** Dual SATA fixed drives operating in RAID 1 mirroring
- **Power Supplies:** Redundant Hot Swappable dual power supplies supports "Dual Power Cord Initiative"
- **System cooling:** Three Hot-swappable internal logic fans and two Hot-swappable rear cabinet exhaust fans
- **Host Interface:** None in base unit, see *Optional Hardware*
- **Client Interfaces:** Two 10/100/1000 Base-T Ethernet interfaces with RJ45 connectors
- **Expansion slots:** Four available full height, full length PCI-x slots and one available PCI-Express slot
- **Media:** Slim CD/DVD Writer supporting program upgrades and full system back ups.

Optional Hardware - Host (Upstream) Interfaces

Notes:

- At least one host interface must be installed
- One PCI-Express slot is available to support one PCI-Express FICON adapter
- Four PCI-x slots are available for optional interface adapters
- Single Port FICON adapter, provides one full function 8.5 Gbps FICON interface[†]
- Dual Port FICON adapter, provides two full function independent 8.5 Gbps FICON interfaces
- Quad Port FICON adapter, provides four full function independent 8.5 Gbps FICON interfaces
- Single port ESCON adapter, up to two adapters may be installed

Optional Hardware - Client (Downstream) Interfaces

- Quad Ethernet Adapter, provides four additional 10/100/1000 Base-T Ethernet interfaces (one per unit)

Optional CU Image (LPAR) Activation Keys

ESCON and FICON interface adapters come standard with a limited number of active CU Images (LPARs). The number of active CUIs (LPARs) can be increased to 16 for each interface installed by adding LPAR Activation Keys, each supporting four additional LPARs:

Interface	Included LPARs	Additional Keys/LPARs
First ESCON	4	3/12
Second ESCON	8	2/8
Single FICON	4	3/12
Dual FICON	8	6/24
Quad FICON	16	12/48

Power/Environmental

- 100-240 VAC, 50-60 Hz
- 50 degree to 95 degree F (10 to 35 degree C) Operating temperature
- 8% to 90% Relative Humidity Non condensing

Agency Certification

- Safety:
 - USA/Canadian: UL 60 950, CSA 60 950
 - European Union: EN 60 950
 - International: IEC 60 950
- EMC-Emissions:
 - USA: Title 47 CFR, Part 15
 - European Union: EN55022: 1994
 - International: CISPR 22

Warranty

- One Year On-Site:
 - 9/5 Same Day 8 hr Response is standard
 - Service level may be upgraded at time of purchase
- Extended hardware and software maintenance programs available

[†]FICON interface will not be available at initial product release. Contact your Visara Account Executive for interface availability date. FICON interface will be a field upgradeable feature.